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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/913,911
	Filing Date	08/21/2001
	First Named Inventor	Daniela Santoli et al
	Group Art Unit	1633
	Examiner Name	
Total Number of Pages in This Submission	9	Attorney Docket Number WST88AUSA

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<div style="border: 1px solid black; padding: 2px; width: 100px; float: left;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Mary E. Bak, Esquire Howson and Howson
Signature	<i>Mary E. Bak</i>
Date	Nov. 29, 2001

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#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Daniela Santoli et al

Appln. No. 09/913,911

Filed: August 21, 2001

For: METHOD OF MODIFYING
CYTOTOXIC CELLS AND USES
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) Group Art Unit 1600/2900

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) Examiner:

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TECH CENTER 1600/2900INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR §1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the references are enclosed herewith.

According to 37 CFR §1.98(d), Applicants have not enclosed copies of documents (AC), (AD), (AE), (AL), and (AR) through (AV) as these documents were previously cited in the International Search Report in prior International Application No. PCT/US00/04548, filed February 23, 2000. This application is a 371 of that International patent application. A copy of the International Search Report is attached hereto.

This Information Disclosure Statement is submitted more than three months from the filing date of this application, but prior to receipt of an Office Action on the merits. Therefore, no fees are believed due. However, the Director of the U. S. Patent and Trademark Office is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees paid on the filing, or during prosecution of this application to Deposit Account No. 08-3040.

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				Application Number	09/913,911
				Filing Date	August 21, 2001
				First Named Inventor	Daniela Santoli et al
				Group Art Unit	1633
				Examiner Name	
Sheet	2	of	6	Attorney Docket Number	WST88AUSA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AF	5,747,024	B1	K. Grabstein	05/05/1998	
	AG	5,660,824	B1	K. Grabstein	08/26/1997	
	AH	6,022,538	B1	D. Santoli	02/08/2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	6	Attorney Docket Number	WST88AUSA

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiners Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³	
	AR	A. GAMERO et al, "Interleukin 15 Induction of Lymphokine-activated Killer Cell Function Against Autologous Tumor Cells in Melanoma Patient Lymphocytes by a CD18-Dependent, Perforin-related Mechanism", Cancer Research, 55:4988-4994 (November, 1995)		
	AS	A. CESANO et al, "Two Unique Human Leukemic T-Cell Lines Endowed with a Stable Cytotoxic Function and a Different Spectrum of Target Reactivity Analysis and Modulation of Their Lytic Mechanisms", In Vitro Cell. Dev. Biol., 28A:648-656 (September-October, 1992)		
	AT	A. CESANO et al, "Effects of Lethal Irradiation and Cyclosporin A Treatment on the Growth and Tumoricidal Activity of a T Cell Clone Potentially Useful in Cancer Therapy", Cancer Immunol. Immunother., 40:139-151 (1995)		
	AU	D. SANTOLI et al, "Synergistic and Antagonistic Effects of IL-1 α and IL-4, Respectively, on the IL-2-Dependent Growth of a T Cell Receptor- $\gamma\delta^+$ Human T Leukemia Cell Line", J. Immunol., 144(12):4703-4711 (June, 1990)		
	AV	J. DISANTO, "Cytokines: Shared Receptors, Distinct Functions", Current Biology, 7:R424-R426 (July, 1997)		
	AW	B. ROUSE et al, "Consequences of Exposure to Ionizing Radiation for Effector T Cell Function in Vivo", Viral Immunology, 2(2):69-78 (1989)		
	AX	T. HAN et al, "Stimulating Capacity of Blast Cells from Patients with Chronic Myelocytic Leukaemia, in Blastic Crisis in 'one-way' Mixed Lymphocyte Reaction: Lack of Evidence for T Lymphoblastic Conversion", Immunology, 35:299-305 (1978)		

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Examiners Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	AY	K. FOON, "Biological Response Modifiers: The New Immunotherapy", Cancer Research, 49:1621-1639 (April, 1989)			
	AZ	T. BOON, "Tumor Antigens Recognized by Cytolytic T Lymphocytes: Present Perspectives for Specific Immunotherapy", Int. J. Cancer, 54:177-180 (1993)			
	AAR	M. OSBAND et al, "Problems in the Investigational Study and Clinical Use of Cancer Immunotherapy", Immunology Today, 11(6):103-105 (1990)			
	AAS	A. CESANO et al, "Phase I Clinical Trial with a Human Major Histocompatibility Complex Nonrestricted Cytotoxic T-Cell Line (TALL-104) in Dogs with Advanced Tumors", Cancer Research, 56:3021-3029 (July, 1996)			
	AAT	R. O'CONNOR et al, "Growth Factor-Dependent Differentiation Along the Myeloid and Lymphoid Lineages in an Immature Acute T Lymphocytic Leukemia", J. Immunol., 145(11):3779-3787 (December, 1990)			
	AAU	S. CHAN et al, "Mechanisms of IFN- γ Induction by Natural Killer Cell Stimulatory Factor (NKSF/IL-12)", J. Immunol., 148(1):92-98 (January 1992)			
	AAV	R. O'CONNOR et al, "Growth Factor Requirements of Childhood Acute T-Lymphoblastic Leukemia: Correlation Between Presence of Chromosomal Abnormalities and Ability to Grow Permanently In Vitro", Blood, 77(7):1534-1545 (April, 1991)			
	AAW	A. CESANO et al, "Cellular and Molecular Mechanisms of Activation of MHC Nonrestricted Cytotoxic Cells by IL-12", 151:2943-2957 (1993)			

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	AAX	S. VISONNEAU et al, "A Revertant TCR $\gamma\delta$ + Cell Clone Which has Lost MHC Nonrestricted Cytotoxic Activity but Retains Redirected Killing Upon Stimulation of the CD3 Receptor", Cell. Immunol., 165:252-265 (1995)		
	AAV	A. CESANO et al, "Role of CD38 and its Ligand in the Regulation of MHC-Nonrestricted Cytotoxic T Cells", J. Immunol., 160:1106-1115 (1998)		
	AAZ	J. GIRI et al, "IL-5, a Novel T Cell Growth Factor that Shares Activities and Receptor Components with IL-2", J. Leuko. Biol., 57(5):763-766 (May, 1995)		
	BR	L. QUINN et al, Interleukin-15: A Novel Anabolic Cytokine for Skeletal Muscle", Endocrinol., 136(8):3669-3672 (August, 1995)		
	BS	W. CARSON et al, "Endogenous Production of Interleukin 15 by Activated Human Monocytes is Critical for Optimal Production of Interferon-gamma by Natural Killer Cells in Vitro", J. Clin. Invest., 96(6):2578-2582 (December, 1995)		
	BT	J. JONULEIT et al, "Induction of IL-15 Messenger RNA and Protein in Human Blood-Derived Dendritic Cells", J. Immunol., 158(6):2610-2615 (March, 1997)		
	BU	V. GARCIA et al, "IL-15 Enhances the Response of Human $\gamma\delta$ T Cells to Nonpeptide Microbial Antigens", J. Immunol., 160(9):4322-4329 (May, 1998)		
	BV	A. MORI et al, "IL-15 Promotes Cytokine Production of Human T Helper Cells", J. Immunol., 156(7):2400-2405 (April, 1996)		
	BW	M. NIETO et al, Interleukin-15 Induces Adhesion Receptor Redistribution in T Lymphocytes", Euro. J. Immunol., 26(6):1302-1307 (June, 1996)		

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	BX	M. KENNEDY et al, "Characterization of Interleukin-15 (IL-15) and the IL-15 Receptor Complex", J. Clin. Immunol., 16(3):134-143 (May, 1996)		
	BY	A. ANGIOLILLO et al, "Interleukin-15 Promotes Angiogenesis in Vivo", Biochem. Biophys. Res. Comm., 233(1):231-237 (April, 1997)		
	BZ	P. ALLAVENA et al, "IL-15 is Chemotactic for Natural Killer Cells and Stimulates their Adhesion to Vascular Endothelium", J. Leuko. Biol., 61(6):729-735 (June, 1997)		
	BBR	R. EVANS et al, IL-15 Mediates Anti-tumor Effects after Cyclophosphamide Injection of Tumor-Bearing Mice and Enhances Adoptive Immunotherapy: The Potential Role of NK Cell Subpopulations", Cell. Immunol., 179(1):66-73 (July, 1997)		

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		Number	Kind Code ² (if known)			
	AA	5,126,132	B1	S. Rosenberg	06/30/1992	
	AB	5,272,082	B1	D. Santoli	12/21/1993	
	AC	5,820,856	B1	D. Santoli	10/13/1998	
	AD	5,702,702	B1	D. Santoli	12/30/1997	
	AE	5,683,690	B1	D. Santoli	11/04/1997	

FOREIGN PATENT DOCUMENTS							
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	AL	WO	WO94/26284	A1	D. Santoli	11/24/1994	
	AM	WO	WO98/48630	A1	D. Santoli	11/05/1998	

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. The Examiner is respectfully requested to consider the documents identified in this paper and in the attached Form PTO/SB/08A/B during the course of the examination of this application.

Respectfully submitted,

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Attorneys for the Applicants

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